



RAW SEQUENCE LISTING ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/803,459
Source: 1FW0
Date Processed by STIC: 3/26/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
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2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY
FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT
MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221
Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom. Any reply including a sequence listing in electronic form should NOT be sent to the 20311 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - cPAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 4B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03

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Raw Sequence Listing Error Summary

<u>ERROR DETECTED</u>	<u>SUGGESTED CORRECTION</u>	<u>SERIAL NUMBER:</u> <u>10/803,459</u>
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPIA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE		
1 <input type="checkbox"/> Wrapped Nucleic Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 <input type="checkbox"/> Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.	
3 <input type="checkbox"/> Misaligned Amino Numbering	The numbering under each 5 th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.	
4 <input type="checkbox"/> Non-ASCII	The submitted file was not saved in ASCII(DOS) text , as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.	
5 <input type="checkbox"/> Variable Length	Sequence(s) <input type="checkbox"/> contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.	
6 <input type="checkbox"/> PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) <input type="checkbox"/> . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.	
7 <input type="checkbox"/> Skipped Sequences (OLD RULES)	Sequence(s) <input type="checkbox"/> missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (ii) SEQUENCE DESCRIPTION: SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.	
8 <input type="checkbox"/> Skipped Sequences (NEW RULES)	Sequence(s) <input type="checkbox"/> missing. If intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000	
9 <input type="checkbox"/> Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.	
10 <input type="checkbox"/> Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or Artificial Sequence	
11 <input type="checkbox"/> Use of <220>	Sequence(s) <input type="checkbox"/> missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)	
12 <input type="checkbox"/> PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	
13 <input type="checkbox"/> Misuse of n/Xaa	"n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid	



IFWO

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/803,459

DATE: 03/26/2004
TIME: 07:27:09

Input Set : D:\28758.txt
Output Set: N:\CRF4\03262004\J803459.raw

3 <110> APPLICANT: Gertler, Arieh
4 Krishna, Radha G.
6 <120> TITLE OF INVENTION: LEPTIN BINDING DOMAIN COMPOSITIONS AND METHODS THERETO
8 <130> FILE REFERENCE: 28758.1
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/803,459
C--> 10 <141> CURRENT FILING DATE: 2004-03-19
10 <160> NUMBER OF SEQ ID NOS: 8
12 <170> SOFTWARE: PatentIn version 3.2
14 <210> SEQ ID NO: 1
15 <211> LENGTH: 630
16 <212> TYPE: DNA
17 <213> ORGANISM: human leptin receptor binding domain
20 <220> FEATURE:
21 <221> NAME/KEY: CDS
22 <222> LOCATION: (1)..(630)
24 <220> FEATURE:
25 <221> NAME/KEY: misc_feature
26 <222> LOCATION: (6)..(6)
27 <223> OTHER INFORMATION: n is a, c, g, or t
29 <400> SEQUENCE: 1
30 atg gcn att gat gtc aat atc aat tca tgt gaa act gat ggg tac 48
31 Met Ala Ile Asp Val Asn Ile Asn Ile Ser Cys Glu Thr Asp Gly Tyr
32 1 5 10 15
34 tta act aaa atg act tgc aga tgg tca acc agt aca atc cag tca ctt 96
35 Leu Thr Lys Met Thr Cys Arg Trp Ser Thr Ser Thr Ile Gln Ser Leu
36 20 25 30
38 gcg gaa agc act ttg caa ttg agg tat cat agg agc agc ctt tac tgt 144
39 Ala Glu Ser Thr Leu Gln Leu Arg Tyr His Arg Ser Ser Leu Tyr Cys
40 35 40 45
42 tct gat att cca tct att cat ccc ata tct gag ccc aaa gat tgc tat 192
43 Ser Asp Ile Pro Ser Ile His Pro Ile Ser Glu Pro Lys Asp Cys Tyr
44 50 55 60
46 ttg cag agt gat ggt ttt tat gaa tgc att ttc cag cca atc ttc cta 240
47 Leu Gln Ser Asp Gly Phe Tyr Glu Cys Ile Phe Gln Pro Ile Phe Leu
48 65 70 75 80
50 tta tct ggc tac aca atg tgg att agg atc aat cac tct cta ggt tca 288
51 Leu Ser Gly Tyr Thr Met Trp Ile Arg Ile Asn His Ser Leu Gly Ser
52 85 90 95
54 ctt gac tct cca cca aca tgt gtc ctt cct gat tct gtg gtg aag cca 336
55 Leu Asp Ser Pro Pro Thr Cys Val Leu Pro Asp Ser Val Val Lys Pro
56 100 105 110
58 ctg cct cca tcc agt gtg aaa gca gaa att act ata aac att gga tta 384
59 Leu Pro Pro Ser Ser Val Lys Ala Glu Ile Thr Ile Asn Ile Gly Leu

Does Not Comply
Corrected Diskette Needed
P.3

Input Set : D:\28758.txt
Output Set: N:\CRF4\03262004\J803459.raw

60	115	120	125	
62	ttg aaa ata tct tgg gaa aag cca gtc ttt cca gag aat aac ctt caa			432
63	Leu Lys Ile Ser Trp Glu Lys Pro Val Phe Pro Glu Asn Asn Leu Gln			
64	130	135	140	
66	ttc cag att cgc tat ggt tta agt gga aaa gaa gta caa tgg aag atg			480
67	Phe Gln Ile Arg Tyr Gly Leu Ser Gly Lys Glu Val Gln Trp Lys Met			
68	145	150	155	160
70	tat gag gtt tat gat gca aaa tca aaa tct gtc agt ctc cca gtt cca			528
71	Tyr Glu Val Tyr Asp Ala Lys Ser Lys Ser Val Ser Leu Pro Val Pro			
72	165	170	175	
74	gac ttg tgt gca gtc tat gct gtt cag gtg cgc tgt aag agg cta gat			576
75	Asp Leu Cys Ala Val Tyr Ala Val Gln Val Arg Cys Lys Arg Leu Asp			
76	180	185	190	
78	gga ctg gga tat tgg agt aat tgg agc aat cca gcc tac aca gtt gtc			624
79	Gly Leu Gly Tyr Trp Ser Asn Trp Ser Asn Pro Ala Tyr Thr Val Val			
80	195	200	205	
				630
82	atg gat			
83	Met Asp			
84	210			
87	<210> SEQ ID NO: 2			
88	<211> LENGTH: 210			
89	<212> TYPE: PRT			
90	<213> ORGANISM: human leptin receptor binding domain			
92	<400> SEQUENCE: 2			
94	Met Ala Ile Asp Val Asn Ile Asn Ile Ser Cys Glu Thr Asp Gly Tyr			
95	1	5	10	15
98	Leu Thr Lys Met Thr Cys Arg Trp Ser Thr Ser Thr Ile Gln Ser Leu			
99	20	25	30	
102	Ala Glu Ser Thr Leu Gln Leu Arg Tyr His Arg Ser Ser Leu Tyr Cys			
103	35	40	45	
106	Ser Asp Ile Pro Ser Ile His Pro Ile Ser Glu Pro Lys Asp Cys Tyr			
107	50	55	60	
110	Leu Gln Ser Asp Gly Phe Tyr Glu Cys Ile Phe Gln Pro Ile Phe Leu			
111	65	70	75	80
114	Leu Ser Gly Tyr Thr Met Trp Ile Arg Ile Asn His Ser Leu Gly Ser			
115	85	90	95	
118	Leu Asp Ser Pro Pro Thr Cys Val Leu Pro Asp Ser Val Val Lys Pro			
119	100	105	110	
122	Leu Pro Pro Ser Ser Val Lys Ala Glu Ile Thr Ile Asn Ile Gly Leu			
123	115	120	125	
126	Leu Lys Ile Ser Trp Glu Lys Pro Val Phe Pro Glu Asn Asn Leu Gln			
127	130	135	140	
130	Phe Gln Ile Arg Tyr Gly Leu Ser Gly Lys Glu Val Gln Trp Lys Met			
131	145	150	155	160
134	Tyr Glu Val Tyr Asp Ala Lys Ser Lys Ser Val Ser Leu Pro Val Pro			
135	165	170	175	
138	Asp Leu Cys Ala Val Tyr Ala Val Gln Val Arg Cys Lys Arg Leu Asp			
139	180	185	190	
142	Gly Leu Gly Tyr Trp Ser Asn Trp Ser Asn Pro Ala Tyr Thr Val Val			

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/803,459

DATE: 03/26/2004
TIME: 07:27:09

Input Set : D:\28758.txt
Output Set: N:\CRF4\03262004\J803459.raw

143 195 200 205
146 Met Asp
147 210
150 <210> SEQ ID NO: 3
151 <211> LENGTH: 36
152 <212> TYPE: DNA
153 <213> ORGANISM: synthetic *invalid <213> response. See item 10 on Error summary sheet.*
155 <400> SEQUENCE: 3
156 ggaattccat atgattgtatg tcaatataaa tatctc 36
159 <210> SEQ ID NO: 4
160 <211> LENGTH: 39
161 <212> TYPE: DNA
162 <213> ORGANISM: synthetic *invalid*
164 <400> SEQUENCE: 4
165 cataggaagg ttcaatccca tgacaactgt gttaggctgg 39
168 <210> SEQ ID NO: 5
169 <211> LENGTH: 12
170 <212> TYPE: PRT
171 <213> ORGANISM: human leptin receptor fragment
174 <220> FEATURE:
175 <221> NAME/KEY: misc_feature
176 <222> LOCATION: (11)..(11)
177 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid.
179 <400> SEQUENCE: 5
> 181 Met Ala Ile Asp Val Asn Ile Asn Ile Ser Xaa Glu
182 1 5 10
185 <210> SEQ ID NO: 6
186 <211> LENGTH: 5
187 <212> TYPE: PRT
188 <213> ORGANISM: Consensus *invalid*
191 <220> FEATURE:
192 <221> NAME/KEY: misc_feature
193 <222> LOCATION: (3)..(3)
194 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
196 <400> SEQUENCE: 6
> 198 Trp Ser Xaa Trp Ser
199 1 5
202 <210> SEQ ID NO: 7
203 <211> LENGTH: 627
204 <212> TYPE: DNA
205 <213> ORGANISM: chicken leptin receptor binding domain
208 <220> FEATURE:
209 <221> NAME/KEY: CDS
210 <222> LOCATION: (1)..(627)
212 <220> FEATURE:
213 <221> NAME/KEY: misc_feature
214 <222> LOCATION: (6)..(6)
215 <223> OTHER INFORMATION: n is a, c, g, or t
217 <400> SEQUENCE: 7

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/803,459

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Input Set : D:\28758.txt
Output Set: N:\CRF4\03262004\J803459.raw

--> 218 atg gcn gta gat gtg aat atc aat ato aaa tgt gaa act gat ggg tac 48
219 Met Ala Val Asp Val Asn Ile Asn Ile Lys Cys Glu Thr Asp Gly Tyr
220 1 5 10 15
222 tta act aaa atg act tgc aga tgg tct gca aac cca aac gca ttg ctc. 96
223 Leu Thr Lys Met Thr Cys Arg Trp Ser Ala Asn Pro Asn Ala Leu Leu
224 20 25 30
226 ttg ggg agt tcc ttg cag tta aga tac cac agg agc aaa att tat tgt 144
227 Leu Gly Ser Ser Leu Gln Leu Arg Tyr His Arg Ser Lys Ile Tyr Cys
228 35 40 45
230 tct aac ttt cca agt act cct cca gaa tca gag gtg aaa gaa tgc cat 192
231 Ser Asn Phe Pro Ser Thr Pro Pro Glu Ser Glu Val Lys Glu Cys His
232 50 55 60
234 ttc cag agg aat cat tct tat gag tgc aca ttt cag cct gtt ttt ctt 240
235 Phe Gln Arg Asn His Ser Tyr Glu Cys Thr Phe Gln Pro Val Phe Leu
236 65 70 75 80
238 tta tct gga tat acc atg tgg att gag ctt aag cac tcc ctg gga aca 288
239 Leu Ser Gly Tyr Thr Met Trp Ile Glu Leu Lys His Ser Leu Gly Thr
240 85 90 95
242 ctt gaa tcc tca cca act tgt gtc gtt cca gca gat gtg gtg aag cca 336
243 Leu Glu Ser Ser Pro Thr Cys Val Val Pro Ala Asp Val Val Lys Pro
244 100 105 110
246 ctg cct ccc tcc aac att aaa gca gag atc acc aga aac gat ggg ctg 384
247 Leu Pro Pro Ser Asn Ile Lys Ala Glu Ile Thr Arg Asn Asp Gly Leu
248 115 120 125
250 ctg aac gtg agc tgg aca aac ccc gtg ttt aca aat gat gac ctt aag. 432
251 Leu Asn Val Ser Trp Thr Asn Pro Val Phe Thr Asn Asp Asp Leu Lys
252 130 135 140
254 ttt cag atc cgg tac gca gtg aac agg gaa ctc aca tgg gag ctg 480
255 Phe Gln Ile Arg Tyr Ala Val Asn Arg Glu Glu Leu Thr Trp Glu Leu
256 145 150 155 160
258 tat gaa gtt cta agc gta cca aca aga tca gct gtg ata gaa gtg caa 528
259 Tyr Glu Val Leu Ser Val Pro Thr Arg Ser Ala Val Ile Glu Val Gln
260 165 170 175
262 ctt tgt gtt gaa tat att gtt cag atc cgc tcc aga gcc ctg gat ggc 576
263 Leu Cys Val Glu Tyr Ile Val Gln Ile Arg Cys Arg Ala Leu Asp Gly
264 180 185 190
266 tta ggc tac tgg agc aac tgg agc aga tca gcc tat gca gct gta aaa 624
267 Leu Gly Tyr Trp Ser Asn Trp Ser Arg Ser Ala Tyr Ala Ala Val Lys
268 195 200 205
270 gat 627
271 Asp
275 <210> SEQ ID NO: 8
276 <211> LENGTH: 209
277 <212> TYPE: PRT
278 <213> ORGANISM: chicken leptin receptor binding domain
280 <400> SEQUENCE: 8
282 Met Ala Val Asp Val Asn Ile Asn Ile Lys Cys Glu Thr Asp Gly Tyr
283 1 5 10 15
286 Leu Thr Lys Met Thr Cys Arg Trp Ser Ala Asn Pro Asn Ala Leu Leu

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Input Set : D:\28758.txt
Output Set: N:\CRF4\03262004\J803459.raw

Please Note:

Se of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> <223> fields of each sequence which presents at least one n or Xaa.

eq#:1; N Pos. 6/
eq#:5; Xaa Pos. 41
eq#:6; Xaa Pos. 3/
eq#:7; N Pos. 6/

VERIFICATION SUMMARY
PATENT APPLICATION: US/10/803,459

DATE: 03/26/2004
TIME: 07:27:10

Input Set : D:\28758.txt
Output Set: N:\CRF4\03262004\J803459.raw

::10 M:270 C: Current Application Number differs, Replaced Current Application No
::10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
::30 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
::181 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
::198 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
::218 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0

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